

**In the Claims**

Please amend the claims as follows:

1. (Currently Amended) A device for receiving and/or transmitting electromagnetic waves with radiation diversity comprising, on a common substrate, at least a first slot antenna of slot-type (i), the slot being realized in the ground plane in the form of a closed curve of perimeter equal to  $k'\lambda_s$  where  $\lambda_s$  is the wavelength in the slot at the operating frequency and  $k'$  is an integer, said first antenna being electromagnetically coupled to a first supply line, and a second antenna radiating in a direction parallel to the substrate, said second antenna being positioned inside the curve forming the first antenna and being connected to a second supply line, said first and second supply lines being connected via a switching means to means for exploiting the electromagnetic waves.

2. (Previously Presented) The device as claimed in claim 1, wherein the first supply line is implemented in microstrip technology or coplanar technology.

3. (Previously Presented) The device as claimed in claim 2, wherein the first supply line has a length between its end and the electromagnetic coupling point equal to  $k\lambda_m/4$ , where  $k$  is an odd integer and  $\lambda_m$  the guided wavelength on the supply line at the central operating frequency with  $\lambda_m = \lambda_0 / \sqrt{\epsilon_{\text{eff}}}$ , where  $\lambda_0$  is the free-space wavelength and  $\epsilon_{\text{eff}}$  the effective permittivity of the line.

4. (Previously Presented) The device as claimed in claim 1, wherein the second supply line is implemented in microstrip technology or by a coaxial line.

5. (Previously Presented) The device as claimed in claim 4, wherein when the second supply line is implemented in microstrip technology, a connection is made at the slot antenna between the part that is external and a part that is internal to the slot.

6. The device as claimed in claim 5 wherein the connection is formed by a conducting insert having a width equal to 2 to 3 times the width of the line implemented in microstrip technology.

7. (Previously Presented) The device as claimed in claim 5, wherein the connection is positioned in an electrical short-circuit plane for the slot.

8. (Currently Amended) The device as claimed in claim 1, wherein the first slot antenna of slot type is formed by an annular slot or a slot of polygonal shape such as a square or rectangle.

9. (Previously Presented) The device as claimed in claim 1, wherein the second antenna radiating parallel to the substrate is formed by a monopole or a helix operating in transverse mode.

10. (Currently Amended) The device as claimed in claim 8, wherein the first slot antenna it comprises several antennas of slot type interlocking one with another.

11. (Currently Amended) The device as claimed in claim 1, wherein the second antenna radiating parallel to the substrate is positioned at the center of the slot antenna or antennas ~~of slot type~~.

12. (Previously Presented) The device as claimed in claim 6, wherein the insert is positioned in an electrical short circuit plane for the slot.